

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifiers

Product name: **Sodium Dichloroacetate**
Synonyms: Dichloroacetic acid sodium salt
CAS No.: 2156-56-1
EC No.: 218-461-3
HS Code: 291540

1.2. Intended use substance or mixture

Laboratory chemicals, Chemical synthesis, Cell biology

1.3. Details of the supplier of the safety data sheet

Company: Curaltus UAB
V. Maciulevicius 51, LT-04310 Vilnius, Lithuania
info@curaltus.com

1.4. Emergency number: +49 (0)696 43508409

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name: Sodium dichloroacetate
Synonyms: Dichloroacetic acid sodium salt
Formula: $C_2HCl_2NaO_2$
Molecular weight: 150.92 g/mol
Content: 99.9%
CAS No.: 2156-56-1
EC No.: 218-461-3
HS Code: 291540

3. HAZARDS IDENTIFICATION

3.1. Classification of the substance or mixture according to EU Directives 67/548/EEC or 1999/45/EC

Xn Harmful

R36/37/38 Irritating to eyes, respiratory system and skin.

3.2. Classification of the substance or mixture according to Regulation (EC) No 1272/2008

Physical hazards

H315: Causes skin irritation

H319: Causes serious eye irritation

General precautionary statements

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P103: Read label before use

Prevention precautionary statements

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P281: Use personal protective equipment as required.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

4. FIRST AID MEASURES

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If breathing is difficult, give oxygen. Consult a physician. If not breathing, give artificial respiration. Get medical aid.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flash point: Not available

Autoignition temperature: Not available

Explosion limits: Lower: Not available, Upper: Not available

NFPA rating: Health: 2
Flammability: 0
Instability: 0

6. ACCIDENTAL RELEASE MEASURES

Use proper personal protective equipment as listed in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid dust formation. Avoid breathing dust and mist. Ensure adequate ventilation.

7. HANDLING AND STORAGE

IRRITANT. HYGROSCOPIC. Store protected from moisture. Store in a tightly closed container. Store in a dry, cool place (in the refrigerator is recommended) and away from incompatible substances (oxidants). Keep away from sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Facilities storing and utilizing this material should be equipped with an eye wash and a safety shower facility.

Personal Protective Equipment

Eyes: Wear chemical safety goggles approved NIOSH (US) or EN 166(EU).

Skin: Wear appropriate protective gloves.

Clothing: Wear appropriate protective clothing.

Respirators: Wear respirators approved NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Powder	Boiling point:	Not available
Color:	White	Freezing/Melting point:	198 deg C (dec.)
Odor:	Not available	Decomposition temperature:	Not available
Vapor pressure:	Not available	Solubility in water:	Soluble in cold water
Vapor density:	Not available	Specific gravity/density:	Not available
Evaporation rate:	Not available	Molecular formula:	C2HCl2NaO2
Viscosity:	Not available	Molecular weight:	150.92 g/mol

10. STABILITY AND REACTIVITY

10.1. Reactivity:	No data available
10.2. Chemical stability:	Stable under recommended storage conditions
10.3. Possibility of hazardous reactions:	No data available
10.4. Conditions to avoid:	Avoid moisture
10.5. Incompatible materials:	Strong oxidizing agents
10.6. Hazardous decomposition products:	Other decomposition products - no data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Unless otherwise specified data extracted from RTECS – Register of Toxic Effects of Chemical Substances.

Toxicity

Oral (rat) LD50:	5281 mg/kg
Oral (mouse) LD50:	4845 mg/kg
Intraperitoneal (mouse) LD50:	>3000 mg/kg

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

No regulations

15. REGULATORY INFORMATION

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

16. OTHER INFORMATION